Tuples Exercises

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std::tuple

- What are the main differences between std::pair and std::tuple
- Write down code that defines an std::tuple object using
  - Constructor call
  - make_tuple()

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Accessing tuple members

- Write a program that
  - Prints out the first element of your tuple
  - Modifies an element in your tuple
  - Prints out the value of an element with a given type

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Unpacking a tuple

- What is the purpose of std::tie?
- Write a program that uses std::tie to print out the elements of your tuple

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Returning multiple values

- Why are tuples useful for returning multiple values from functions?
- Write a simple program with a function that returns a tuple

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